first means for generating a plurality of bitblocks by bitwise interleaving the coordinates of the data elements;

second means for applying a fliprot transformation to a first bitblock;

said fliprot transformation comprising a flip transformation and a rotation transformation, said flip transformation inverting bits of said first bitblock, said rotation transformation interchanging bits of said first bitblock;

wherein said rotation transformation of said first bitblock and said rotation transformation of each further bitblock cyclically shifts the bits of each respective bitblock;

third means for obtaining, for said each further bitblock, a fliprot transformation by a concatenation of two or more fliprot transformations;

fourth means for applying fliprot transformations to ~~their~~ each further corresponding bitblock;

~~fifth~~ means for accessing said data elements;

whereby the ~~bitblock bits~~ bits of said each respective bitblock determine the organization of said data elements according to said Hilbert curve.

2. (Currently Amended) A method of organizing data elements of a database according to a Hilbert curve, said data elements being representable by a plurality of coordinates, said method comprising the following steps: